

AMENDMENTS

The following listing of claims replaces all prior versions, and listings, of claims in the application.

Claims 1-16 (canceled).

Claim 17 (previously presented) A catheter having a distal end and a wall, the catheter comprising a heat transfer device located approximately at its distal end, wherein the heat transfer device is a length of the outer wall of the catheter at least partly formed from doped material able to act as a heat transfer device upon application of power therethrough.

Claim 18 (previously presented) A catheter as claimed in Claim 17 wherein the doped material is selected from a group consisting of silver and gold.

Claims 19-26 (canceled).

Claim 27 (currently amended) A catheter as claimed in Claim 16 having a distal end and a wall, the catheter comprising a heat transfer device located approximately at its distal end, wherein the heat transfer device is a flexible metal film having at least one electrical resistor flow path thereon or therethrough, wherein said film is locatable around the catheter wall, and wherein the heat transfer device comprises an outwardly located layer of material selected from a group consisting of silver and gold, the catheter having a single lumen.

Claim 28 (previously presented) A catheter as claimed in Claim 27 wherein the lumen has a diameter of between approximately 0.5 to 0.7 mm.

Claims 29-30 (canceled).

Claim 31 (previously presented) A catheter as claimed in claim 17, the catheter having a single lumen.

Claim 32 (previously presented) A catheter as claimed in claim 31, wherein the lumen has a diameter of between approximately 0.5 to 0.7 mm.